

**REMARKS**

Claims 1-3, 8-12, 19-21 and 25-31 are pending in this application. For purposes of expedition, claims 13-14, 22-24, 32, 47-49 and 54-59 have been canceled without prejudice or disclaimer.

Claim 32 stand rejected under 35 U.S.C. §102(b) as being anticipated by y cited art, Shoji et al., U.S. Patent No. 6,157,609 for reasons stated on pages 2-3 of the Office Action. For reasons discussed in the Amendment After Final filed on June 25, 2007 (which is entered upon request by the RCE filed concurrently herewith), base claim 32 has previously been amended to incorporation limitations from dependent claims 39-44 (now canceled) in order to render the rejection moot. For example, base claim 32 has been amended to define that "write pattern elements of the write pattern include information indicating a width of a first pulse of the write pattern, information indicating a shift amount of a starting edge of the first pulse of the write pattern, information indicating a width of the multi-pulses of the write pattern, and information indicating a period of time for which a cooling pulse lasts" and that are optimized based on at least one of a magnitude, an asymmetry value, and a jitter value of the radio frequency signal.

Since Shoji '609 fails to disclose the specific of the claimed write pattern elements of a write pattern that is optimized using at least one of a magnitude, an asymmetry value, and a jitter value of the radio frequency signal, Applicants respectfully request that the rejection be withdrawn.

Claims 1-10, 12-25, 27, 28, 32-38 and 47-54 have been rejected under 35 U.S.C. §103(a) as being unpatentable over Okubo et al., U.S. Publication No. 2003/0081518 in view of Osakabe, U.S. Patent No. 5,872,763 and Shoji '609 for reasons stated on pages 3-13 of the Office Action. As discussed previously, claims 4-7, 15-18, 33-46 and 50-53 had been canceled without prejudice or disclaimer as per Amendment After Final filed on June 25, 2007 to render their rejection moot. In addition, claims 13-14, 22-24, 32, 47-49 and 54-59 have also been canceled without prejudice or disclaimer to render their rejection moot. With respect to the outstanding claims 1-3, 8-10, 12, 19-21 and 25-31, the Declaration under 37 CFR §131(a) and supporting documents filed on June 25, 2007, signed by all inventors of the instant application, to establish conception of the invention prior to the effective date of the Okubo reference (U.S. Publication No. 2003/0081518) should be entered in order to remove the Okubo reference as

prior art. In view of these explanations and submission of the Declaration under 37 CFR §131(a) and supporting documents, Applicants respectfully request that the rejection of these claims be withdrawn.

Lastly, dependent claims 11, 29-31, 42-44, 55, 56, 58 and 59 have been rejected under 35 U.S.C. §103(a) as being unpatentable over Okubo '518 in view of Osakabe '763 and further in view of Shoji et al., U.S. Patent No. 6,157,609, and further in view of Furumiya et al., U.S. Patent No. 6,791,926 for reasons stated on pages 13-15 of the Office Action. Likewise, claims 26 and 39-41 have been rejected under 35 U.S.C. §103 as being unpatentable over Okubo '518 in view of Osakabe '763 and Shoji '609 for reasons stated on pages 13-14 of the Office Action. Claims 45-46 have been rejected under 35 U.S.C. §103 as being unpatentable over Okubo '518 in view of Shoji '609 and Furumiya et al., U.S. Patent No. 6,791,926 and Tsukamoto, U.S. Patent No. 7,012,870 for reasons stated on pages 16-18 of the Office Action. Similarly, claim 57 has been rejected under 35 U.S.C. §103 as being unpatentable over Okubo '518 in view of Shoji '609, Furumiya '926 and Tsukamoto '870 for reasons stated on page 19 of the Office Action. As previously discussed, many of these claims have been canceled without prejudice or disclaimer, and since the Okubo reference is no longer prior art Applicants' claimed invention, Applicants respectfully request the Examiner to withdraw these rejections.

In view of the foregoing amendments, arguments and remarks, all claims are deemed to be allowable and this application is believed to be in condition to be passed to issue. Should any questions remain unresolved, the Examiner is requested to telephone Applicants' attorney at the Washington DC office at (202) 216-9505. Applicants respectfully reserve all rights to file subsequent related application(s) (including reissue applications) directed to any or all previously claimed limitations/features which have been amended or canceled, or to any or all limitations/features not yet claimed, i.e., Applicants have no intention or desire to dedicate or surrender any limitations/features of the disclosed invention to the public.

To the extent necessary, Applicants petition for an extension of time under 37 CFR §1.136. Please charge any shortage of fees due in connection with the filing of this paper, including extension of time fees, to the Deposit Account of Stein, McEwen & Bui, LLP, No. 503333, and credit any excess fees to said deposit account.

Respectfully submitted,

STEIN, MCEWEN & BUI, LLP

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9/20/07

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